CLAIMS

I claim:

1. A power system for an electrically powered land vehicle, comprising:

a gas ionization and energy production section including a plurality of abutting tubular members defining an airflow path having an input end and an output end, each of the tubular members having:

a rigid plate section having a plurality of heating plates for exciting air to an elevated energy level, the heating plates being disposed in spaced-apart relationship to allow the flow of air through the section;

a variable positive voltage grid for collecting charged particles; and

at least one sensor for detecting the charge of said charged particles;

means for drawing air into the input end of the airflow path in order to establish an airflow through the gas ionization and energy production section;

means for distributing the charged particles to the land vehicle's battery and propulsion system; and

means for regulating a potential of the variable positive voltage grid.

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3 4 2. The power system according to claim 1, wherein said means for drawing air comprises a centrifugal impeller disposed in said airflow path.

- 3. The power system according to claim 2, wherein said means for drawing air further comprises an electric motor coupled to said centrifugal impeller.
- 4. The power system according to claim 1, further comprising an ionized gas neutralizing chamber at the output end of said airflow path.
- 5. The power system according to claim 4, further comprising a plurality of discharge electrodes extending into said neutralizing chamber for discharging charged particles into the airflow path in order to neutralize ionized gases in the airflow path.

6. The power system according to claim 5, wherein each said discharge electrode further comprises a shaft and a V-shaped leaf rotatable around the shaft in order to slow airflow through said neutralizing chamber.

- 7. The power system according to claim 1, wherein said means for drawing air comprises a centrifugal impeller disposed in the airflow path and an electric motor coupled to the impeller, the system further comprising an ionized gas neutralizing chamber surrounding the electric motor.
- 8. The power system according to claim 1, further comprising means for controlling said heating plates in order to vary the heat supplied to each said rigid plate section.
- 9. The power system according to claim 1, further comprising an ionization sensor at the output end of the airflow path for detecting an ionization potential of air exiting the energy production system.

LITMAN LAW 25 OFFICES, LTD. P.O. BOX 15035 ARLINGTON, VA 2222256 (703) 486-1000 10. A power system for an electrically powered land vehicle, the land vehicle having at least one ground-engaging wheel, comprising:

a gas ionization and energy production section including a plurality of abutting tubular members defining an airflow path having an input end and an output end, each of the tubular members having:

a rigid plate section having a plurality of heating plates for exciting air to an elevated energy level, the heating plates being disposed in spaced-apart relationship to allow the flow of air through the section;

a variable positive voltage grid for collecting charged particles; and

at least one sensor for detecting the charge of said charged particles;

means for drawing air into the input end of the airflow path in order to establish an airflow through the gas ionization and energy production section;

means for regulating a potential of the variable positive
voltage grid;

- a combination amplifier and controller electrically connected to each of the variable positive voltage grids;
- a battery electrically connected to said combination amplifier and controller;
- a drive motor coupled to the at least one ground-engaging wheel, the drive motor being electrically connected to said battery and said combination amplifier and controller;

LITMAN LAW OFFICES, LTD. P.O. BOX 15035 ARLINGTON, VA 2221\$\frac{4}{2}\$ (703) 486-1000 wherein said combination amplifier and controller distributes the charged particles to the battery and the drive motor.

- 11. The power system according to claim 10, wherein said means for drawing air comprises a centrifugal impeller disposed in said airflow path.
- 12. The power system according to claim 11, wherein said means for drawing air further comprises an electric motor coupled to said centrifugal impeller.
- 13. The power system according to claim 10, further comprising an ionized gas neutralizing chamber at the output end of said airflow path.
- 14. The power system according to claim 13, further comprising a plurality of discharge electrodes extending into said neutralizing chamber for discharging charged particles into the airflow path in order to neutralize ionized gases in the airflow path.
- 15. The power system according to claim 14, wherein each said discharge electrode further comprises a shaft and a V-shaped leaf rotatable around the shaft in order to slow airflow through said neutralizing chamber.

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16. The power system according to claim 10, wherein said means for drawing air comprises a centrifugal impeller disposed in the airflow path and an electric motor coupled to the impeller, the system further comprising an ionized gas neutralizing chamber surrounding the electric motor.

- 17. The power system according to claim 10, further comprising means for controlling said heating plates in order to vary the heat supplied to each said rigid plate section.
- 18. The power system according to claim 10, further comprising an ionization sensor at the output end of the airflow path for detecting an ionization potential of air exiting the energy production system.